

IN THE CLAIMS:

This listing supersedes and replaces all prior claim listings. Please amend claims 1-2, 5-7, 10-12, 15-17 and 20 as follows:

Listing of Claims

1. (Currently Amended) A computer-readable conflict management program embodied on a computer readable memory device that is to be executed by a computer of a portable terminal device, the conflict management program when executed perform:

receiving one of a determination request including (a) a start task execution request, (b) a termination notification of a currently executed task and (c) a state transition notification of a currently executed task;

registering an active task in an active task list in a memory;

detecting for a task conflict, to determine whether the task which issued the start task execution request can be started and whether a task waiting to be executed can be started, by referencing the active task list when the ~~determination~~ start task execution request is received in the ~~determination request~~ reception step;

determining a state to which the task designated by the start task execution ~~determination~~ request should switch and the state to which a currently executed task registered in the active task list should switch in accordance with predetermined conditions set in a conflict condition table when a task conflict is detected in the conflict detection step, wherein the states including a startup unachievable state, a startup achievable state, a running side standby state, a running side terminated state and an interrupting side standby state; and

respectively placing the task designated by the ~~determination~~ start task execution request and the currently executed task registered in the active task list in the states determined in the state determination step.

2. (Currently Amended) The computer-readable conflict management program according to claim 1, wherein the state determination step comprises:

referencing, when a task conflict is detected in the conflict detection step, the conflict condition table that stores states to which conflicting tasks should switch; and

determining respectively the state to which the task designated by the ~~determination~~ start task execution request should switch and the state to which the currently executed task registered in the active task list should switch.

3. (Original) The computer-readable conflict management program according to claim 2, wherein the active task registration step comprises:

registering the task to be executed in an execution list within the active task list; and

registering the task that should wait for execution in an execution wait list within the active task list.

4. (Previously Presented) The computer-readable conflict management program according to claim 3, wherein the active task registration step comprises:

selecting the task to be executed and the task that should wait for execution in accordance with the priorities of the states determined in the determination step;

registering the task to be executed in the execution list; and

registering the task that should wait for execution in the execution wait list.

5. (Currently Amended) The computer-readable conflict management program according to claim 2, wherein the state determination step comprises:

canceling the ~~determination~~ start task execution request when it is determined that the task designated by the ~~determination~~ start task execution request cannot be executed.

6. (Currently Amended) A computer readable storage medium for storing a computer-readable conflict management program that is to be executed by a computer of a portable terminal device and causing the computer to perform the steps of:

receiving a ~~determination request including~~ one of (a) a start task execution request, (b) a termination notification of a currently executed task and (c) a state transition notification of a currently executed task;

registering an active task in an active task list in a memory;

detecting for a task conflict, to determine whether the task which issued the start task execution request can be started and whether a task waiting to be executed can be started, by referencing the active task list when the ~~determination~~ start task execution request is received in the ~~determination request~~ reception step;

determining a state to which a task designated by the ~~determination~~ start task execution request should switch and the state to which a currently executed task registered in the active task list should switch in accordance with predetermined conditions set in a conflict conditional table for each task when a task conflict is detected in the conflict detection step, wherein the states including a startup unachievable state, a startup achievable state, a running side standby state, a running side terminated state and an interrupting side standby state; and

respectively placing the task designated by the start task execution ~~determination~~ request and the currently executed task registered in the active task list in the states determined in the state determination step.

7. (Currently Amended) The storage medium according to claim 6, wherein the ~~transition~~ state determination step comprises:

referencing, when a task conflict is detected in the conflict detection step, the conflict condition table that stores states to which conflicting tasks should switch; and

determining respectively the state to which the task designated by the start task execution request should switch and the state to which the currently executed task registered in the active task list should switch.

8. (Original) The storage medium according to claim 7, wherein the active task registration step comprises:

registering the task to be executed in an execution list within the active task list; and

registering the task that should wait for execution in an execution wait list within the active task list.

9. (Previously Presented) The storage medium according to claim 8, wherein the active task registration step comprises:

selecting the task to be executed and the task that should wait for execution in accordance with the priorities of the states determined in the determination step;

registering the task to be executed in the execution list; and

registering the task that should wait for execution in the execution wait list.

10. (Currently Amended) The storage medium according to claim 7, wherein the state determination step comprises:

canceling the ~~determination~~ start task execution request when it is determined that the task designated by the ~~determination~~ start task execution request cannot be executed.

11. (Currently Amended) A conflict management method executed by a computer of a portable terminal device comprising the steps of:

receiving a ~~determination request including one of~~ (a) a start task execution request, (b) a termination notification of a currently executed task and (c) a state transition notification of a currently executed task;

registering an active task in an active task list in a memory;

detecting for a task conflict, to determine whether the task which issued the start task execution request can be started and whether a task waiting to be executed can be started, by referencing the active task list when the ~~determination~~ start task execution request is received in the ~~determination request~~ reception step;

determining a state to which the task designated by the ~~determination~~ start task execution request should switch and the state to which a currently executed task registered in the active task list should switch in accordance with predetermined conditions set in a conflict condition table for each task when a task conflict is detected in the conflict detection step, wherein the states including a startup unachievable state, a startup achievable state, a running side standby state, a running side terminated state and an interrupting side standby state; and

respectively placing the task designated by the ~~determination~~ start task execution request and the currently executed task registered in the active task list in the states determined in the state determination step.

12. (Currently Amended) The conflict management method according to claim 11, wherein the state determination step comprises:

referencing, when a task conflict is detected in the conflict detection step, the conflict condition table that stores states to which conflicting tasks should switch; and

determining respectively the state to which the task designated by the ~~determination~~ start task execution request should switch and the state to which the currently executed task registered in the active task list should switch.

13. (Original) The conflict management method according to claim 12, wherein the active task registration step comprises:

registering the task to be executed in an execution list within the active task list; and
registering the task that should wait for execution in an execution wait list within the active task list.

14. (Previously Presented) The conflict management method according to claim 13, wherein the active task registration step comprises:

selecting the task to be executed and the task that should wait for execution in accordance with the priorities of the states determined in the determination step;
registering the task to be executed in the execution list; and
registering the task that should wait for execution in the execution wait list.

15. (Currently Amended) The conflict management method according to claim 12, wherein the state determination step comprises:

canceling the ~~determination~~ start task execution request when it is determined that the task designated by the ~~determination~~ start task execution request cannot be executed.

16. (Currently Amended) An electronic portable terminal apparatus comprising:
execution request receiver means for receiving a ~~determination request including one of~~ (a) a start task execution request, (b) a termination notification of a currently executed task and (c) a state transition notification of a currently executed task;

active task registration means for registering an active task in an active task list in a memory;

conflict detection means for determining whether the task which issued the start task execution request can be started and whether a task waiting to be executed can be started by referencing the active task list to detect for a task conflict when the ~~determination~~ start task execution request is received by the execution request receiver means;

transition state determination means for determining a state to which a task designated by the ~~determination~~ start task execution request should switch and the state to which a currently executed task registered in the active task list should switch in accordance with predetermined conditions set in a conflict condition table for each task when a task conflict is detected by the conflict detection means, wherein the states including a startup unachievable state, a startup achievable state, a running side standby state, a running side terminated state and an interrupting side standby state; and

state transition means for respectively placing the task designated by the start task execution ~~determination~~ request and the currently executed task registered in the active task list in the states determined by the transition state determination means.

17. (Currently Amended) The electronic apparatus according to claim 16, further comprising:

the conflict condition table that stores states to which conflicting tasks should switch, wherein

when a task conflict is detected by the conflict detection means, the transition state determination means references the conflict condition table, and determines the state to which a

task designated by the ~~determination~~ start task execution request should switch and the state to which ~~[[a]]~~ the currently executed task registered in the active task list should switch.

18. (Original) The electronic apparatus according to claim 17, wherein the active task registration means registers the task to be executed in an execution list within the active task list and registers the task that should wait for execution in an execution wait list within the active task list.

19. (Original) The electronic apparatus according to claim 18, wherein the active task registration means selects the task to be executed and the task that should wait for execution in accordance with the priorities of the states determined by the transition state determination means, registers the task to be executed in the execution list, and registers the task that should wait for execution in the execution wait list.

20. (Currently Amended) The electronic apparatus according to claim 17, wherein the transition state determination means cancels the ~~determination~~ start task execution request when it is determined that the task designated by the ~~determination~~ start task execution request cannot be executed.